

**Commonwealth of Kentucky
Division for Air Quality**

PERMIT APPLICATION SUMMARY FORM

Completed by: Sreenivas Kesaraju

GENERAL INFORMATION:

Name: Free-Flow Packaging International, Incorporated
Address: 500 Krustez Way
Hopkinsville, Kentucky 42240
Date application received: March 5, 1999
SIC/Source description: 3086 / Foamed Polyethylene sheets production
AFS(10-digit) Plant ID: 21-047-00099
EIS #: 072-0700-0099
Application log number: G041
Permit number: V-99-012

APPLICATION TYPE/PERMIT ACTIVITY:

<input checked="" type="checkbox"/> [X] Initial issuance	<input type="checkbox"/> [] General permit
<input type="checkbox"/> [] Permit modification	<input type="checkbox"/> [] Conditional major
__Administrative	<input checked="" type="checkbox"/> [X] Title V
__Minor	<input checked="" type="checkbox"/> [X] Synthetic minor
__Significant	<input type="checkbox"/> [] Operating
<input type="checkbox"/> [] Permit renewal	<input checked="" type="checkbox"/> [X] Construction/operating

COMPLIANCE SUMMARY: NA (New Source)

<input type="checkbox"/> [] Source is out of compliance	<input type="checkbox"/> [] Compliance schedule included
<input type="checkbox"/> [] Compliance certification signed	

APPLICABLE REQUIREMENTS LIST:

<input type="checkbox"/> [] NSR	<input type="checkbox"/> [] NSPS	<input type="checkbox"/> [] SIP
<input type="checkbox"/> [] PSD	<input type="checkbox"/> [] NESHAPS	<input type="checkbox"/> [] Other

MISCELLANEOUS:

☐ [] Acid rain source
☐ [] Source subject to 112(r)
☒ [X] Source applied for federally enforceable emissions cap
☐ [] Source provided terms for alternative operating scenarios
☐ [] Source subject to a MACT standard
☐ [] Source requested case-by-case 112(g) or (j) determination
☐ [] Application proposes new control technology
☒ [X] Certified by responsible official
☐ [] Diagrams or drawings included
☐ [] Confidential business information (CBI) submitted in application
☐ [] Pollution Prevention Measures
☐ [] Area is non-attainment (list pollutants):

EMISSIONS SUMMARY:

Pollutant	Actual (tpy)	Potential (tpy)
PM		
SO ₂		
NO _x		
CO		
VOC	244.4	245.0
LEAD		
HAP \geq 10 tpy (by CAS)		

SOURCE PROCESS DESCRIPTION:

Free-Flow Packaging International, Incorporated produces foamed polyethylene sheets for packaging. Polyethylene along with isobutane, ethane, glycerol monostearate are used as the raw materials and are injected into the extruder. The extruded foamed polyethylene sheets go through the slit tube and winder. The wound foamed polyethylene sheets are stored in the warehouse. The bad sheets (Approximately 8%) are reprocessed to get polyethylene resin. The major emissions from this process are the VOC's (Isobutane emissions). They also have isobutane and ethane tanks. The isobutane tanks are pressurized tanks. The ethane tanks are tube trailers and are not filled on site. They are replaced as needed.

EMISSION AND OPERATING CAPS DESCRIPTION:

Free-Flow Packaging International, Incorporated is a new facility. This construction is permitted so as to limit the emissions of VOC's to be less than 250 TPY and thus preclude the applicability of 401 KAR 51:017, Prevention of Significant Deterioration. The emissions of VOC's from all the affected units are directly related to the quantity of isobutane used. The permit requires monthly monitoring and record keeping of Isobutane usage. The permit also requires the monthly and annual VOC calculations. The permittee will be in compliance with the emissions limit if the usage of Isobutane is below 823,440 lb/yr (With the currently approved emission factors).